INTERNATIONAL SEARCH REPORT

International Application No PCT/US 02/19647

A. CLASSIF	CATION OF SUBJECT MATTER H04L12/56 H04Q7/32		
IPC 7	H04L12/56 H04Q7/32		
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According to	International Patent Classification (IPC) or to both national cla	assification and IPC	
B. FIELDS S		off the sumbole)	
Minimum doo	cumentation searched (classification system followed by class H04Q H04L H04B	sification symbols)	
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Documentati	on searched other than minimum documentation to the extent	that such documents are included in the fields s	earched
Electronic da	ata base consulted during the international search (name of d	ata base and, where practical, search terms used	d)
	ternal, WPI Data		
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C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
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° Special co	ategories of cited documents:	177 hand in	tornational filing date
•	ent defining the general state of the art which is not	"T" later document published after the in or priority date and not in conflict will cited to understand the principle or to	th the application but
consid	tered to be of particular relevance	invention	
"E" earlier of filling of	document but published on or after the international date	"X" document of particular relevance; the cannot be considered novel or cannot	ot be considered to
"L" docume which	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another	involve an inventive step when the o "Y" document of particular relevance; the	claimed invention
citatio	n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	cannot be considered to involve an document is combined with one of r	inventive step when the nore other such docu-
other	means	ments, such combination being obv in the art.	ious to a person skilled
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Date of the	actual completion of the international search	Date of mailing of the international s	earch report
1	6 May 2003	04/07/2003	
Name and	mailing address of the ISA	Authorized officer	
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk		
1	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.	Roberti, V	

INTERNATIONAL SEARCH REPORT

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